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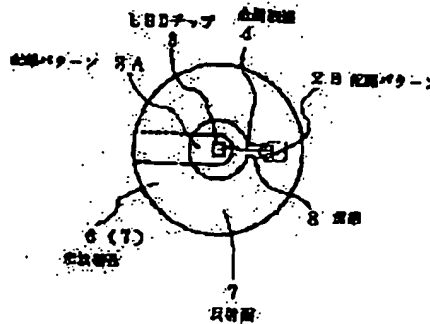
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(54) LIGHT EMITTING UNIT AND DISPLAY DEVICE AND ILLUMINATION DEVICE

(57)Abstract:

PURPOSE: To improve brightness and luminance by efficiently radiating incident light on a reflection surface from LED chips from an aperture of a housing.

CONSTITUTION: This light emitting unit U has a wiring board 1 disposed with plural pieces of the LED chips 3, 3... on wiring patterns 2A in a linear or matrix form and the housing 5 provided with the light radiation holes 6 in correspondence to the respective LED chips 3, 3. The light radiation holes 6 are formed to a truncate conical form or truncated pyramidal form and the apertures thereof on the substrate side are sized to enclose the LED chip parts 3 and are successively provided with groove parts 8 for wiring fine metallic wires 4 to be connected to the other wiring patterns 2B. This display device or illumination device is constituted by using this light emitting unit U. These devices are constituted to lessen the loss arising from repetition of iterative reflection of the light radiated from the LED chips 3 by the peripheral wall surfaces of the radiation holes 6. The quantity of the light radiated from the light radiation holes 6 or light radiators, the luminance, etc., are thus enhanced.



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